Claims

1. Electromagnetically actuatable valve (1) comprising a magnet part (2), a moveable armature element (7), a spring element (8), and a valve part (9), whereby the magnet part has at least one magnetic coil (4) wound on a coil form (3), a flux concentrating element (5) and a center pole (6), and the valve part (9) has a closing element (11) that cooperates with the armature element (7) and controls the opening and closing of the valve on a valve seat (10), characterized in that the armature element (7) is designed as a clapper-type armature and cooperates with the center pole (6) by way of a damping element (14).

2. Valve according to Claim 1, characterized in that the armature element (7) and the valve part (9) are contained in a housing.

3. Valve according to Claim 2, characterized in that the armature element (7), the flux concentrating element (5), the closing element (11), the spring element (8), and the damping element (14) are arranged in the housing in a pressure-sealed compartment.

4. Valve according to one of the Claims 1 through 3, characterized in that the damping element (14) has a damping stop (13).

5. Valve according to one of the Claims 1 through 4, characterized in that the flux concentrating element (5) is designed as a bracket which is situated on the perimeter of the magnetic coil (4).

6. Valve according to one of the Claims 1 through 5, characterized in that the closing element (11) actuated by the armature element (7) to open and close the valve (1) is an umbrella sealing plug with an umbrella membrane.

7. Valve according to Claim 6, characterized in that the umbrella sealing plug is flexible and, in particular, consists of silicone rubber.

8. Valve according to one of the Claims 1 through 5, characterized in that the closing element (11) and the damping element (14) are designed as an integral damping shoe (15).

9. Valve according to Claim 8, characterized in that the damping shoe (15) is flexible and can be attached directly to the armature element (7) or it is injection moulded to it.